



COMMONWEALTH of VIRGINIA

Department of Health DIVISION OF SHELLFISH SANITATION

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MONROE BAY AND MATTOX CREEK Growing Area # 002 Westmoreland County Shoreline Sanitary Survey

Date: 2 August 2002

Survey Period: November 5, 2002 – July 18, 2002

Total Number of Properties Surveyed: 1611

Surveyed By: J.D. Dickerson & G.A. Wood

SECTION A: GENERAL

This survey area extends from Reference Point 2 at Mimosa Avenue extended near Bluff Point in the Town of Colonial Beach to Reference Point 3 at Church Point on the Potomac River, including the Potomac River shoreline between these two points, Monroe Bay (Monroe Creek) and Mattox Creek and all of their tributaries.

Topography of the area is characterized by elevations that rise immediately along the Potomac River shoreline to 10' to 20'. Elevations then range from 10' to 30' in the form of a plateau, extending to where they dramatically rise again along a prominent line 2 to 3 miles inland. The elevation continues to rise to nearly 150' near the Westmoreland/King George County line.

The population is moderately dense along the tidal shoreline concentrated in the Town of Colonial Beach and the subdivisions of Westmoreland Shores, Potomac Shores, Crystal Bay estates, Placid Bay Estates and Ebb Tide Beach. These developments are large and consist mostly of retirement and summer dwellings. The economy of the area is based mainly on seafood and agriculture; and seasonally on tourism in the Town of Colonial Beach.

Meteorological data indicated that the area received a total rainfall of 20.43" for the survey period. A monthly breakdown is as follows:

November 5-31, 2001	0.27"	February	0.68"	May	3.28"
December	1.85"	March	3.76"	June	3.07"
January, 2002	2.65"	April	4.41"	July 1-18	0.46"

Copies of Bacteriological, Hydrographic and Shellfish Closure data are available at the area office for review. Copies of the current condemnation notices and maps are available via the internet at <http://www.vdh.virginia.gov/oehs/shellfish/>.

Information in this report is gathered by and primarily for use of the Division of Shellfish Sanitation, Virginia Department of Health, in order to fulfill its responsibilities of shellfish growing area supervision and classification. However, the data are made available to various agencies participating in shellfish program coordinated activities or other interested parties.

Report copies are provided to the local health department for corrective action of deficiencies listed on the summary page in Sections B.2. and B.3. and the Department of Environmental Quality for possible action at properties listed on the summary page in Sections B.1., C.1. and C.2. The Division of Soil and Water Conservation is provided information on possible sources of animal pollution found in Section E.

This report lists only those properties which have a sanitary deficiency or have other environmental significance. Individual field forms with full information on the properties listed in this report are on file in the Richmond Office of the Division of Shellfish Sanitation and are available for reference until superseded by a subsequent resurvey of the area.

SECTION B: SEWAGE POLLUTION SOURCES

SEWAGE TREATMENT FACILITIES

10. ***DIRECT*** – Town of Colonial Beach (Ralph A. Hick, Town Manager), 18 North Irving Avenue, Colonial Beach 22443. Public- Municipal sewerage system. Approximately 1500 connections. Design flow of 0.8 MGD. Treatment consists of a bar screen, flow measurement and equalization, 2 activated sludge aeration tanks, 2 aerobic digestion tanks, chlorination/dechlorination contact tanks providing post aeration with final discharge of effluent into Monroe Bay. Has VPDES permit #VA0026409 from DEQ/PRO.
59. ***DIRECT*** – Washington District Elementary School, 454 Oak Grove Road, Colonial Beach 22443. Owner: Westmoreland County School Board, 141 Opal Lane, Montross 22520. Public- sewage treatment plant. Design flow of 0.006MGD. Facilities consist of a bar screen, equalization basin, an aeration tank, two clarifier units operated in series, a dosing station (emergency holding tank), dual sand filters, a chlorine contact tank, post aeration, effluent flow meter, a dechlorination tank and aerobic digestion of sludge with final effluent discharging to upper tributary of Mattox Creek. Has VPDES permit #VA0082058 from DEQ/PRO.
- A. Bushrod Disposal Service, Incorporated, PO Box 530, King George 22485. Business - leases portable toilets to the public. No contact. Sewage from rental toilets is taken to the Stafford County Wastewater Treatment Plant for final disposal. There is a 1200 gallon waste holding tank on site that is used in the case of an emergency.

ON-SITE SEWAGE DEFICIENCIES

11. **NO FACILITIES** – Location: 1243 New Monrovia Road, Colonial Beach 22443. Dwelling - white stucco 1 story. No contract. Portable toilet to left of house. Sanitary Notice issued 7-18-02 to field #A521.

12. CONTRIBUTES POLLUTION, (Kitchen and Laundry Wastes) – Location: 1067 New Monrovia Road, Colonial Beach 22443. Dwelling - white vinyl siding 1 story. 2 persons. Laundry waste drains to ditch behind house. Sanitary Notice issued 7-18-02 to field #A524.
13. NO FACILITIES – Location: 1059 New Monrovia Road, Colonial Beach 22443. Dwelling - green and white mobile home. No contact. Portable toilet to rear of dwelling. Sanitary Notice issued 7-18-02 to field #A525.
14. CONTRIBUTES POLLUTION – Location: 4278 James Monroe Highway, Colonial Beach 22443. Elmira Watts, PO Box 92, Colonial Beach. Dwelling - blue and white mobile home. 1 person. Effluent erupting to ground around well curbing of septic tank/cess pool into ditch adjacent to well curbing. Sanitary Notice issued 7-11-02 to field #A460.
16. NO FACILITIES – Location: 4375 James Monroe Highway, Colonial Beach 22443. Owner: 2309 Pamona Road, Colonial Beach 22443. Dwelling - white vinyl siding and block 1 story with dark blue trim. 2 persons. Portable toilet behind fence to the left of the dwelling. Sanitary Notice issued to owner 6-26-02 to field #A456.
17. NO FACILITIES – Location: 67 New Monrovia Road, Colonial Beach 22443. Dwelling - yellow siding 1 story with black shutters. 3 persons. Portable toilet behind house. Sanitary Notice issued on 7-16-02 to field #502.
18. NO FACILITIES – Location: 179 New Monrovia Road, Colonial Beach 22443. Owner: 145 New Monrovia Road, Colonial Beach. Dwelling - yellow 2 story with red tin roof. No contact. Portable toilet to left of house. Sanitary Notice issued 7-16-02 to field # A508.
19. NO FACILITIES – Location: 185 New Monrovia Road, Colonial Beach 22443. Owner: Yvonne Newman, 145 New Monrovia Road, Colonial Beach. Dwelling - tan mobile home with black trim. 1 person. Shares portable toilet at 179 New Monrovia Road. Sanitary Notice issued on 7-16-02 to field #A509.
21. NO FACILITIES – Location: 2574 Stoney Knoll Drive, Colonial Beach 22443. Dwelling - white 1 story with green shutters and several outbuildings. 2 persons. Portable toilet to rear of property. Sanitary Notice issued 7-1-02 to field #A305.
22. NO FACILITIES - Location: 4045 James Monroe Highway, Colonial Beach 22443. Owner: 2309 Pamona Road, Colonial Beach. Dwelling - white over yellow shingle and wood siding 1 story. Portable toilet behind dwelling. Sanitary Notice issued 7-12-02 to field #A467.
24. NO FACILITIES – Location: rear of 142 Pamona Road, Colonial Beach 22443. Dwelling - white mobile home with red trim. 1 person. Portable toilet in use. Sanitary Notice issued 7-15-02 to field #A473.
25. NO FACILITIES – Location: 54 Charles Way, Colonial Beach 22443. Dwelling - white mobile home with brown trim. No contact. Portable toilet in use. Sanitary Notice issued 7-15-02 to field #A475.

26. CONTRIBUTES POLLUTION, (Kitchen and Laundry Wastes) – Location: 67 Charles Way, Colonial Beach 22443. Dwelling - white vinyl siding 1 story with red trim. 4 persons. Laundry waste drains to ground. Sanitary Notice issued 7-15-02 to field #A479.
29. NO FACILITIES – Location: 3479 James Monroe Highway, Colonial Beach 22443. Dwelling - white block 1 story with brown shutters and black trim. No contact. Partially collapsed privy with excrement on ground. Sanitary Notice issued 7-15-02 to field #A483.
32. CONTRIBUTES POLLUTION, ***DIRECT*** – Location: 1000 Shore Drive, Colonial Beach 22443. Dwelling - yellow hardboard siding 1 story. 2 persons. Effluent erupting from drain field onto ground. Sanitary Notice issued 6-19-02 to field #A95.
33. CONTRIBUTES POLLUTION – Location: 419 Stratford Drive, Colonial Beach 22443. Dwelling - yellow wood shingles 1 story built on pilings with brown shutters and trim. No contact. Effluent erupting from drain field onto ground surface. Sanitary Notice issued 6-20-02 to field #A120.
34. CONTRIBUTES POLLUTION, (Kitchen and Laundry Wastes) – Location: 313 Westmoreland Road, Colonial Beach 22443. Dwelling - yellow vinyl siding 1 story with red shutters. No contact. Laundry waste piped to ditch. Sanitary Notice issued 6-24-02 to field # A180.
35. CONTRIBUTES POLLUTION, (Kitchen and Laundry Wastes) – Location: 265 Westmoreland Road, Colonial Beach 22443. Dwelling - light gray vinyl siding 1 story with white trim. No contact. Laundry waste discharges to ditch through 2" pipe. Sanitary Notice issued 6-24-02 to field #179.
36. CONTRIBUTES POLLUTION – Location: 213 Wakefield Drive, Colonial Beach 22443. Dwelling - blue cinderblock 1 story with white shutters, red door and trim. No contact. Effluent erupting to ground over drain field. Sanitary Notice issued 6-26-02 to field #A239.
37. CONTRIBUTES POLLUTION – Location: 386 Monroe Drive, Colonial Beach 22443. Dwelling - white vinyl siding 1 story with green shutters. 6 persons. Effluent erupting from septic tank onto ground surface. Sanitary Notice issued 6-27-02 to field #662.
38. CONTRIBUTES POLLUTION, (Kitchen and Laundry Wastes) – Location: 626C, Admiral Drive, Annapolis MD, 21401. Dwelling - light yellow block and siding 1 story with white trim. No contact. Laundry waste discharging to ground through 1½" PVC pipe. Sanitary Notice issued 6-20-02 to field #A22.
39. CONTRIBUTES POLLUTION – Location: 269 Rolando Drive, Colonial Beach 22443. Owner: Carol Jean Harrison, 255 Rolando Drive, Colonial Beach. Dwelling - gray asbestos siding 1 story with white shutters. No contact. Broken clean-out cap on sewer line exposing contents. Sanitary Notice issued 6-13-02 to field #649.

40. CONTRIBUTES POLLUTION – Location: 58 North Cedar Lane, Colonial Beach 22443. Dwelling - light pink block 1 story with brown trim and shutters. No contact. Corner of septic tank lid broken off exposing contents. Sanitary Notice issued 6-21-02 to field #A152.
41. CONTRIBUTES POLLUTION – Owner: PO Box 313 Colonial Beach 22443. Dwelling - 1 story white stucco and tan vinyl siding with brown shutters. No contact. Effluent flowing onto ground and into ditch. Sanitary Notice issued 6-21-02. Field #A153.
42. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Location: 130 Bonnie Dell Drive, Colonial Beach 22443. Dwelling - white aluminum siding 1 story. No contact. Laundry waste discharging to ground through 2" black plastic hose. Sanitary Notice issued 6-11-02 to field #632.
46. CONTRIBUTES POLLUTION – Location: 2309 Pomona Road, Colonial Beach 22443. Dwelling - white vinyl siding 1 story with purple shutters. No contact. Effluent erupting from drainfield onto ground surface. Sanitary Notice issued 7-11-02 to field #763.
47. CONTRIBUTES POLLUTION - Colonial Beach Dragway, 2035 James Monroe Highway, Colonial Beach 22443. Public restroom at dragway concession stand. Broken drain pipe from the urinal in the men's room. Sanitary Notice issued 7-16-02 to field #A489.
49. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – – Location: 1855 James Monroe Highway, Colonial Beach 22443. Dwelling - white aluminum siding 1 story. No contact. Kitchen waste erupting from dry well onto ground surface. Sanitary Notice issued 7-1-02 to field #678.
50. CONTRIBUTES POLLUTION – Location: 16171 Trigger Lane, Colonial Beach 22443. Owner: Watson W. Trigger, 479 Kings Highway, Colonial Beach. Dwelling - white vinyl siding 1 story with black shutters. No contact. Effluent erupting from drainfield onto ground surface. Sanitary Notice issued 4-18-02 to field #264.
52. CONTRIBUTES POLLUTION – Location: 95 Claymont Road, Colonial Beach 22443. Dwelling - light brown vinyl siding 1 story with dark brown and white trim and dark brown shutters. No contact. Effluent erupting from drainfield onto ground surface. Sanitary Notice issued 4-24-02 to field #286.
53. CONTRIBUTES POLLUTION – Location: 71 Claymont Road, Colonial Beach 22443. Dwelling - white vinyl siding 1 story with red shutters. 1 person. Effluent erupting from drainfield onto ground surface. Sanitary Notice issued 4-24-02 to field #287.
55. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Location: 7196 Leedstown Road, Colonial Beach 22443. Dwelling - yellow vinyl siding 1 story with white trim and black shutters. 1 person. Laundry waste discharging from ground through 2" white PVC pipe. Sanitary Notice issued 5-2-02 to field #328.

57. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Location: 7654 Leedstown Road, Colonial Beach 22443. Owner: 10 Woodland Court, Laurel MD 20707. Dwelling - white vinyl siding 1 story with black shutters. No contact. Laundry waste discharges to ground surface through 2" white PVC pipe. Sanitary Notice issued 5-3-02 to field #343.
58. CONTRIBUTES POLLUTION – Location: 8010 Leedstown Road, Colonial Beach 22443. Owner: Oak Grove Baptist Church, 8096 Leedstown Road, Colonial Beach. Dwelling - white cement block 1 story. No contact. Effluent erupting from end of drain line onto ground surface 10' from drainage ditch. Sanitary Notice issued 5-3-02 to field #347.
62. CONTRIBUTES POLLUTION – – Location: Life Estate, 1352 Harbor View Circle, Colonial Beach 22443. Dwelling - brick 1 story with white trim. No contact. Effluent erupting from ground surface into roadside ditch. Sanitary Notice issued 11-13-02 to field #72.

POTENTIAL POLLUTION

23. Location: 4107 James Monroe Highway, Colonial Beach 22443. Owner: Maggie Lerd Jordon, PO Box 330, Colonial Beach 22443. No contact. Observed on site were junked auto batteries, construction debris, trailers, boat, on approximately ¼ acre.
56. Location: 7312 Leedstown Road, Colonial Beach 22443. Dwelling - white vinyl siding 1 story with red shutters. No contact. Evidence of a past eruption over the drainfield, however ground was dry and there was no evidence of failure at time of inspection.

SECTION C: NON-SEWAGE POLLUTION SOURCES

INDUSTRIAL WASTES

5. ***DIRECT*** – Curley Packing Company, 551 Laffayette Street, Colonial Beach 22443. Business - Shellfish shucker-packer plant (VA 167SP). No contact. Processing and wash down wastes discharge to Monroe Bay. Has NPDES permit #VAG524032 from DEQ/KRO.
15. Westmoreland County – 4280 James Monroe Highway, Colonial Beach 22443. Solid waste transfer site. 500 gallon above ground tank for waste oil on site. No berm.
47. Colonial Beach Dragway, 2035 James Monroe Highway, Colonial Beach 22443. Race track. Observed on site were 1 x 1000 gallons and 2 x 500 gallons racing fuel tanks without a berm.

51. Northern Neck Farmers Market, 1647 Kings Highway, Colonial Beach 22443. Owner: Virginia Department of Agriculture and Consumer Services, 1100 Bank Street, Richmond 23219. Business - commercial farm market. 12 employees. Observed on site was 1 X 500 gallon unleaded fuel tank and 1 X 1500 gallon diesel fuel tank with no berms.
61. Stepps Harbor View Marina, 277 Harbor View Circle, Colonial Beach 22443. Business - commercial marina. 3 persons. Observed on site was 1 X 2000 gallon unleaded double walled fuel tank with no berm 100' from Mattox Creek.

SOLID WASTE DUMPSITES

15. Westmoreland County – 4280 James Monroe Highway, Colonial Beach 22443. Solid waste transfer site. Compactor and 12 large dump containers on site.
44. Location: Off route 633 Holly Vista Road (across from 252 Holly Vista), Colonial Beach 22443. Owner: Oak Grove Marine Service, 2998 Kings Highway, Colonial Beach. No contact. Observed on site was a large steel building with junked autos, tires, batteries covering approximately $\frac{3}{4}$ of an acre.
48. Location: 2037 James Monroe Highway, Colonial Beach 22443. Business - silver corrugated tin building. No contact. Observed on site were junked trucks, autos, boats, batteries, tires, etc., on approximately $\frac{1}{2}$ to 1 acre of ground.

SECTION D: BOATING ACTIVITY

MARINAS

1. Colonial Beach Yacht Center, 1787 Castlewood Drive, Colonial Beach 22443. Marine - commercial marina. 161 wet slip and 31 dry storage spaces available. Present on 7-20-01 were 78 boat under 26' and 46 boats over 26'; and in dry storage there were 28 boats under 26' and 6 boats over 26'. Boating services provided include in-out ramp, fuel, water, electricity and repair. Sanitary facilities provided are 3 commodes, 3 lavatories, 2 showers and 1 urinal for men; and for women there are 3 commodes, 3 lavatories and 2 showers. Sewage disposal is to public sewerage system. Boat holding tank pump-out facilities and portable toilet dump station facilities are available at this location.
2. Parkers Marina (Henry Parker), 1004 Monroe Bay Avenue, Colonial Beach 22443. Marine - commercial marina. 35 slips available. Present on 7-20-01 were 15 boat under 26' and 9 boats over 26' in wet slips. Boating services provided include water and electricity. Sanitary facilities provided are 2 commodes, 1 lavatory and 3 urinals for men; and for women there are 3 commodes and 1 lavatory. Sewage disposal is to public sewerage system. Portable toilet dump station facilities are available at this location. This facility is exempt from the requirement to provided boat holding tank pump-out facilities.

3. Stanford's Marine Railway (Clarence Stanford), 829 Robin Grove Lane, Colonial Beach 22443. Marine - commercial marina. Present on 7-20-01 were 10 boats under 26' and 21 boats over 26' in wet slips; and in dry storage there were 8 boats under 26' and 8 boats over 26'. Boating services provided include water, electricity and repair. Sanitary facilities provided are 1 commode and 1 lavatory for men; and for women there are 1 commode and 1 lavatory. Sewage disposal is to public sewerage system. There are no boat holding tank pump-out facilities and no portable toilet dump station facilities provided at this location.
4. Winkledoodle Point Marina (L. L. Curley, Jr.), 550 Lafayette Street, Colonial Beach 22443. Marine - commercial marina. 69 wet slips available. Present on 7-20-01 were 15 boats under 26' and 23 boats over 26' in wet slips. Boating services provided include water and electricity. Sanitary facilities provided are 1 commode, 1 lavatory and 1 urinal for men; and for women there are 1 commode and 1 lavatory. Sewage disposal is to public sewerage system. Boat holding tank pump-out facilities and portable toilet dump station facilities are available at this location.
6. Bayside Marina (Owner: Stephen Bassett), 119 Monroe Bay Avenue, Colonial Beach 22443. Marine - commercial marina. 20 wet slips and 14 dry storage spaces available. Present on 7-20-01 were 10 boats under 26' and 7 boats over 26' in wet slips; and in dry storage there were 8 boats under 26' and 1 boat over 26'. Boating services provided include in-out ramp, fuel, water, electricity and repair. Sanitary facilities provided are 1 commode and 1 lavatory for men; and for women there are 1 commode and 1 lavatory. Sewage disposal is to public sewerage system. This facility is exempt from the requirement to provided boat holding tank pump-out facilities. There are no portable toilet dump station facilities available.
7. Nightingale Marina and Motel (Bob and Jane Swinke), 101 South Monroe Bay Avenue, Colonial Beach 22443. Marine - commercial marina. 33 wet slips available. Present on 7-20-01 were 8 boats under 26' and 13 boats over 26' in wet slips. Boating services provided include water and electricity. Sanitary facilities include 1 unisex commode and 1 unisex lavatory. Sewage disposal is to public sewerage system. Boat holding tank pump-out facilities and portable toilet dump station facilities are available at this location.
9. Monroe's Landing (Monroe's Landing Townhouse Homeowners Association), 110 Lynnhaven Court, Colonial Beach 22443. Marine - private marina for homeowners. 30 slips available. Present on 7-20-01 were 5 boats under 26' and 3 boats over 26'. Boating services provided include water and electricity. This location is exempt from the requirements of providing sanitary facilities, portable toilet dump station facilities and boat holding tank pump-out facilities.
31. Potomac-Westmoreland Shores Pier, end of Avalon Drive (Potomac Shores Subdivision), Colonial Beach 22443. Owner: Potomac-Westmoreland Shores Civic Association, PO Box 251, Colonial Beach. Marine - private pier for subdivision residents. 37 slips available. Present on 7-24-01 were 7 boats under 26' and 2 boats over 26'. Boating services provided include an in-out ramp and electricity. Sanitary facilities consist of 1 portable toilet. There are no portable toilet dump station facilities at this location. Facility has an exemption to the requirement to provide boat holding tank pump-out facilities.

61. Harbor View Marina (Gary Stepps), 277 Harbor View Circle, Colonial Beach 22443. Marine - commercial marina. 3 persons. 143 wet slips and 33 dry storage spaces available. Present on 7-24-01 were 42 boats under 26' and 81 boats over 26' in wet slips; and in dry storage there were 10 boats under 26'. Boating services provided include in-out ramp, fuel, water and electricity. Sanitary facilities provided are 2 commodes, 3 lavatories, 2 showers and 1 urinal for men; and for women there are 3 commodes, 3 lavatories and 2 showers. Also included are 1 unisex commode and 1 unisex lavatory. Sewage disposal is to septic tank with drainfield which appeared to be working properly at time of inspection. Portable toilet dump station facilities and boat holding tank pump-out facilities are available at this location.

OTHER PLACES WHERE BOATS ARE MOORED

8. Monroe Bay Landing Restaurant (Thomas Bland), 11 Monroe Bay Avenue, Colonial Beach 22443. Marine - private boat docking facility for restaurant. 15 wet slips and 4 dry storage spaces available. Present on 7-20-01 was 1 boats under 26' in wet slip. The only boating service provided is electricity. Sanitary facilities provided are 1 commode, 1 lavatory and 1 urinal for men; and for women there are 1 commode and 1 lavatory. Sewage disposal is to public sewerage system. There are no boat holding tank pump-out facilities at this location and this facility is exempt from the requirement to provide portable toilet dump station facilities.
30. Occupant: Monroe Bay Campground, Monroe Bay Circle, Colonial Beach 22443. Owner: L.L. Curley, 551 Lafayette Street, Colonial Beach. Marine - pier, ramp and dock for use by occupants of campground. 14 transient slips/moorings available. Present on 7-20-01 were 1 boat under 26' in wet slip and 9 boats under 26' in dry storage spaces. The only boating service provided is an in-out ramp. Sanitary facilities provided are 2 commodes, 1 lavatory, 3 showers and 1 urinal for men; and for women there are 3 commodes, 1 lavatory and 3 showers. Sewage disposal is to septic tank with drainfield which appeared to be working properly at time of inspection. This location is exempt from the requirement to provide boat holding tank pump-out facilities, however portable toilet dump station facilities are provided.
43. Occupant: Potomac Shore Residents Association, off route 1325 (Sabastian Avenue) in Potomac Shores subdivision, Colonial Beach 22443. Owner: Larry Sprouse, 198 Mattox Drive, Colonial Beach. Marine - private pier for subdivision residents and guests. 22 slips available. Present at time of survey were 4 boats over 26'. Sanitary facilities are provided in owners homes. Boating services provided include electricity and water. There are no boat holding tank pump-out facilities and no portable toilet dump station facilities provided at this location.
45. Springfield Incorporated, Springfield Farm Campground, end of Route 705 (Burnt House Point Road), Colonial Beach 22443. Owner: Bowie and Pollard, PO Box 1037, Colonial Beach. Marine - private pier for campground. No contact. 23 slips available. Present on 7-20-01 were 6 boats under 26'. An in-out ramp is the only boating service provided. Sanitary facilities include 1 privy for men and 1 privy for women. Portable toilet dump station facilities are provided at this location. This facility has an exemption to the requirement of providing boat holding tank pump-out facilities.

65. Occupant: Berkeley Beach Pier, between 91 and 35 Gun Club Road, Colonial Beach 22443. Owner: Berkeley Beach Homeowners Association, PO Box 1144, Colonial Beach. Marine - private pier for subdivision residents. No contact. 10 slips available. Present on 5-31-01 were 2 boats under 26'. An in-out ramp is the only service provided. This location is exempt from the requirements of providing sanitary facilities, portable toilet dump station facilities and boat holding tank pump-out facilities.
66. Occupant: Ebb Tide Beach Pier, end of Route 1340 (Potomac Drive), Colonial Beach 22443. Owner: Ebb Tide Property Owners Association, Colonial Beach. Marine - private community pier. No contact. 44 slips available. No boats were present at time of inspection. An in-out ramp is the only service provided. Sanitary facilities include 1 unisex privy. There are no portable toilet dump station facilities and no boat holding tank pump-out facilities at this location.

UNDER SURVEILLANCE

-None-

SECTION E: CONTRIBUTES ANIMAL POLLUTION

20. ***DIRECT*** - Monrovia Farms, 2288 Stoney Knoll Road, Colonial Beach 22443. Dwelling - white frame 2 story. 3 persons. Present at time of survey were 75 steer in corral. Steer have direct access to stream leading to Mattox Creek when grazing in field. Manure is spread on fields.
27. Stonemont Farm, 403 Cedar Hill Road, Colonial Beach 22443. Dwelling - brick and white frame 1 story with white trim and black shutters. No contact. Present at time of survey were 8 horses in fenced pasture. Method of manure disposal is unknown.
28. Cedar Hill Farm, 330 Cedar Hill Road, Colonial Beach 22443. Dwelling - white vinyl siding 2 story with black shutters. 2 persons. Present at time of survey were 40 cows and 4 horses in fenced pastures. Manure is composted in piles and used as fertilizer or spread on fields.
54. Occupant: Cottage Farm, 523 Cottage Farm Road, Colonial Beach 22443. Owner: 6765 Leedstown Road, Colonial Beach. 3 persons. Present at time of survey were 250 cows in fenced pasture. Manure is collected and held in 2 separate disposal ponds.
60. Location: 3011 Kings Highway, Colonial Beach 22443. Dwelling - faded yellow frame 2 story with green shutters. No contact. Present at time of survey were 10 goats in pen and 30 assorted fowl free roaming and in pens. Manure disposal is to ground surface.
63. Location: 178 Ebb Tide Road, Colonial Beach 22443. Dwelling - white frame 1 story with green shutters and trim. 1 person. Present at time of survey were 32 cattle in fenced pasture. Manure is left on ground.

64. ***DIRECT*** – Location: 217 Ebb Tide Road, Colonial Beach 22443. Dwelling - brick 2 story with white trim. No contact. Present at time of survey were 8 horses with direct access to Mattox Creek. Manure disposal is to ground.

SUMMARY

Area # 002
Monroe Bay: Monroe and Mattox Creeks
3 August 2002

SECTION B: SEWAGE POLLUTION SOURCES

1. SEWAGE TREATMENT WORKS

2 – DIRECT – # 11, 59
1 – INDIRECT – # A
3 – B.1. TOTAL

2. ON-SITE SEWAGE DEFICIENCIES

1 – CONTRIBUTES POLLUTION, DIRECT – # 32
14 – CONTRIBUTES POLLUTION, INDIRECT – # 14, 33, 36, 37, 39, 40, 41, 46, 47,
50, 52, 53, 58, 62
0 – CP (Kitchen or Laundry Wastes), DIRECT – None
9 – CP (Kitchen or Laundry Wastes), INDIRECT – # 12, 26, 34, 35, 38, 42, 49, 55,
57
0 – NO FACILITIES, DIRECT – None
11 – NO FACILITIES, INDIRECT – # 11, 13, 16, 17, 18, 19, 21, 22, 24, 25, 29
35 – B.2. TOTAL

3. POTENTIAL POLLUTION

2 – POTENTIAL POLLUTION – # 23, 56

SECTION C: NON-SEWAGE WASTE SITES

1. INDUSTRIAL WASTE SITES

1 – DIRECT – # 5
3 – INDIRECT – # 15, 47, 61
4 – C.1. TOTAL

2. SOLID WASTE DUMPSITES

0 – DIRECT – None
3 – INDIRECT – # 15, 44, 48
3 – C.2. TOTAL

SECTION D: BOATING ACTIVITY

9 – MARINAS – # 1, 2, 3, 4, 6, 7, 9, 31, 61
6 – OTHER PLACES WHERE BOATS ARE MOORED – # 8, 30, 43, 45, 65, 66
0 – UNDER SURVEILLANCE – None
15 – D. TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION

2 – DIRECT – # 21, 65
5 – INDIRECT – # 28, 29, 55, 61, 64
7 – E. TOTAL

Virginia Department of Health
Division of Shellfish Sanitation

Monroe Bay: Monroe
and Mattox Creeks
002
Shoreline Sanitary Survey

Westmoreland County

Date: 2 August 2002
Survey By: J.D. Dickerson & G.A. Wood
Number of Properties Surveyed: 1611

0 400 800 1,600
Yards

Legend

Seawater Sampling Stations

Active
Inactive

Sewered areas
DGIF Boat Ramps

Shoreline Survey Deficiencies

★ Sewage Treatment Facility - Direct
★ Sewage Treatment Facility - Indirect
■ Contributes Pollution - Direct
■ Contributes Pollution - Indirect
▲ Contributes Pollution (Kitchen or Laundry wastes) - Direct
▲ Contributes Pollution (Kitchen or Laundry wastes) - Indirect
● No Facilities - Direct
● No Facilities - Indirect
◆ Potential Pollution
● Industrial Wastes, Direct
● Industrial Wastes, Indirect
● Solid Waste Dumpsite - Direct
● Solid Waste Dumpsite - Indirect
⚓ Boating Activity
A Contributes Animal Pollution - Direct
A Contributes Animal Pollution - Indirect